

Isagulyants, V. I. and Bagryantseva, P. P.
ALKYLATION OF PHENOLS (Ob Alkilirovani Fenolov).
[1963] 16p 20refs
Order from OTS, SLA, or ETC \$1.60 TT-63-20777

Trans. of Neftyanoe Khozyaistvo (USSR) 1938 [v. 19]
no. 2, p. 36-41.

DESCRIPTORS: *Phenols, *Alkylation, Butyl radicals,
Butanols, Butenes, Condensation reactions, *Catalysts,
Zinc compounds, Aluminum compounds, Chlorides.

(Chemistry--Organic, TT, v. 11, no. 4)

TT-63-20777

1. Title: p-tert-Butyl phenol
- I. Isagulyants, V. I.
- II. Bagryantseva, P. P.

Office of Technical Services

Corrosion by Hydrogen Sulfide at High Temperatures,
by P. F. Mikhalev, S. I. Vol'fon, 12 pp.

RUSSIAN, per, Neft Khoz, Vol XIX, No 7, 1938,
pp 26-30.

Sci. Tr Ctr RT-3454

DIS 62-14000

34,872

Scientific - Chemistry

May 56 CTS/dex

Semenido, E. G.
HIGH QUALITY WINTER OILS. [1962] 5p 7refs
Order from OTS or SLA \$1.10 62-14113

Abstract trans. of Neftyanoe [Khimyaistvo] (USSR)
1940, v. 21, no. 6(11) p. 60-66.
Also available from OTS or SLA \$1.60 in 61-20784
[1961] 13p.

DESCRIPTORS: *Airplane engine oils, *Low-temper-
ature lubricants, Viscosity, Wear resistance,
Lubricant additives.

(Materials--Lubricants, TT, v. 10, no. 10)

62-14113

I. Semenido, E. G.

Office of Technical Services

Papok, E. K. and Kogteva, E. I.
OILINESS OF AVIATION OILS. [1962] 3p.
Order from OIS or SLA \$1.10 62-14114

Trans. of Neftyanoe [Khozyaistvo] (USSR) 1940, v. 21,
no. 6 (11) p. 67-69.

DESCRIPTORS: *Lubrication, *Oils, *Airplan,
engine oils, Friction, Reduction.

Acid treated and clay contacted aviation oils have
lubricating properties superior to solvent refined oils.
Addition of 0.5-1.0% floricin, i.e., thermally treated
castor oil, to mineral oils improves the lubricating
properties of mineral oils and reduces the coefficient
of static friction of acid-treated and contacted oils
by 14.5% and of solvent refined oils by 22%. (Author)

(Materials--Lubricants, TT, v. 8, no. 3)

62-14114

1. Papok, E. K.
E. I. Kogteva, E. I.

Office of Technical Services

61-16824

Getling, V. A., Sosnina, A. L., and Stepanov, L. I.
REFINING OF DUBROVAI CRACKED GASOLINE BY
HYDROGENATION. [1961] Sp. 5 refs.
Order from OTS or SLA \$1.10 61-16824

I. Getling, V. A.
II. Sosnina, A. L.
III. Stepanov, L. I.

Trans. of Neftyanoe Khozaystvo (USSR) 1940 [v. 21]
no. 1, p. 19-21.

DESCRIPTORS: *Gasoline, Processing, Hydrogenation,
Molybdenum compounds, Sulfides, Catalysis.

Experiments are reported on refining Dubrovai cracked gasoline by hydrogenation in a continuous unit over molybdenum sulfide as a catalyst. Satisfactory hydrogenation takes place at 400°, a pressure of 50 atm, rate of flow of the charge 150 to 175 cc/hour and rate of supply of hydrogen of 90 to 100 liters/hour. The average yield of hydrogenated gasoline is 100% by volume. The consumption of hydrogen amounts to about 0.55%. (Author)

(Engineering--Chemical, TT, v. 6, no. 8)

Office of Technical Services

Gerasimov, M. M. and Glushnev, V. E.
REFINING AND DESULFURIZATION OF STRAIGHT
RUN AND CRACKED GASOLINES WITH PHOSPHORIC
ACID. [1961] 6p. 1 ref.
Order from OTS or SLA \$1.10

61-18019

Trans. of Neftyanoe Khozaystvo (UESR) 1940, v. 21,
no. 1, p. 22-25.

DESCRIPTORS: *Gasoline, Processing, Purification,
*Sulfur, Separation, *Phosphoric acids, Catalysis,
Chemical reactions.

Phosphoric acid is a good catalyst for refining cracked
gasolines. As a rule, the octane number of gasolines
after the treatment rises several units. The suscepti-
bility of gasoline to TEL is also increased. The octane
numbers of phosphoric acid-treated gasolines are
(Engineering--Chemical, TT, v. 6, no. 8) (over)

61-18019

1. Title: Desulfurization
- I. Gerasimov, M. M.
- II. Glushnev, V. E.

185131

Office of Technical Services

Combined Refining of Pyrolyzed Oil Distillates
(With Zinc Chloride and Sulfuric Acid), by K. A.
Musatov.

RUSSIAN, per, Neft Khoz, Vol XXI, No 1, 1940,
pp 25-29.

OTS 61-18018

Sci
Mar 62

189,562

Vol VII, No 2

Vapor Phase Desulfurization With Sulfuric Acid,
by K. A. Musatov, S. S. Nifontova.

RUSSIAN, per, Neft Khim, Vol XXI, No 3, 1940,
pp 28-32.

OTS 61-16869

Sci

Mar 62

189,563

Vol VII, No 2

(FDD 18066)

Devonian Petroleum in the Vicinity of the Kama
River, by V. Ye. Moseyev, 16 pp.

RUSSIAN, no par, Neft Khoz, No 1, Moscow, Jan 1946,
pp 7-12.

CIA/FDD/U-5185

USSR
Economic - Petroleum
CTS/DEX

8798

Borisov, P. P., Eventova, M. S. and others.
INCREASING THE OCTANE NUMBER OF GROZNY
GASOLINE. [1961] 3p. 4 refs.
Order from OTS or SLA \$1.10 61-20153

Trans. of Neftyanoe Khozjalstvo (USSR) 1946 [v. 24]
no. 1, p. 60-62.

DESCRIPTORS: *Gasoline, *Octanes, Isomeric trans-
itions, Bleaching agents, Aluminum compounds,
Hydrogen compounds, Chlorides, Aluminum,
Chromium, Catalysts, Catalysis, Tests.

Experiments are reported showing that normal octane
is readily isomerized with Zikeev bleaching earth
promoted with unspecified metal oxides and that
normal heptane is similarly isomerized by aluminum
chloride-hydrogen chloride. Isoparaffins and aro-
(Chemistry--Organic, TT, v. 7, no. 5) (over)

61-20153

I. Borisov, P. P.
II. Eventova, M. S.

Office of Technical Services

(FDD 18067)

Geological Characteristics of the Zol'nyy Ravine
Petroleum Deposit, by S. H. Shan'gin, I. S. Kvikidze,
11 pp. ~~NEK~~

RUSSIAN, no per, Neft Khoz, No 2, Feb 1946, Moscow,
pp 1-6.

CIA/FDD/U-5186

USSR
Economic - Petroleum deposit
CTS/DEX

8797

(FDD 18068)

The New Petroleum-Bearing Region Within the Limits
of the Southeastern Depression of the Sunzhenskiy
Mountain Range, by G. M. Sukharev, 12 pp.

RUSSIAN, no per, Neft Khoz, No 2, Moscow, Feb 1946,
pp 6-13.

CIA/FDD/U-5183

USSR
Economic -

CTS/DEX

8800

Catalysts for Obtaining Synthetic Fuels From Coal,
by S. V. Tatanski, K. K. Papok, E. G. Semenida,
3 pp.

RUSSIAN, per, Neft Khoz, Vol XXIV, No 2, 1946,
pp 52-55.

CIA/FDD/X-1163

Scientific - Fuels
CTS/DEX

Available in CIA Library
as Ohio State University
C 27830

8168

(FDD 18069)

Methods of Refining Fergana Petroleum, by G. V.
Vinogradov, P. S. Panyutin, S. N. Solodov, 21 pp.

RUSSIAN, no per, Neft Khoz, No 2, Moscow, Feb 1946,
pp 44-52.

CIA/FDD/U-5184

USSR

Economic - Petroleum, refining

CTS/DEX

8799

Brounshtein, B. I.
DESALTING OF OILS CONTAINING CRYSTALLINE
SALTS [1961] 5p. 8 refs.
Order from ODS or SLA \$1.10

61-20163

Trans. of Nefyanoe Khovaystvo (USSR) 1946 [v. 24]
no. 2, p. 37-38.

ENGLISH: Oils, Desalination, *Salts, Sepa-
ration, Dehydration, Petroleum.

Crystalline salt contained in Baku oils as received by
refining cannot be removed by any conventional
desalting method. A laboratory study was performed
of the conditions of formation of crystalline salts in
crude oil layers. It was found that they contain only salt solution
and it is established that the crystalline salt is present
in oils applied to refineries, most likely as a result
of prolonged settling after insufficiently effective
(Engineering-Chemical, IT, v. 6, no. 12) (over)

61-20163

I. Brounshtein, B. I.

61-20163

Office of Technical Services

Yablonskii, V. S.
MIXING OF OIL PRODUCTS IN SUCCESSIVE
PUMPING THROUGH THE SAME PIPE LINE. [1961]
[7]p. 8 refs.
Order from OTS or SLA \$1.10 61-20169

Trans. of Neftyanoe Khozyaistvo (USSR) 1946 [v. 24]
no. 2, p. 56-64.

DESCRIPTORS: Turbulent flow, *Pumps, Pipes, *Oils,
Petroleum, *Transportation, Fluid flow, Mathematical
analysis, Viscosity, *Fuel oils.

A mathematical analysis of the problems encountered
in consecutive pumping of a series of oil products
through a pipeline and results of experimental work on
these problems are reported, referring both to stream-
line and turbulent flow. A method is outlined for de-
(Materials--Fuels, TT, v. 7, no. 7) (over)

61-20169

I. Yablonskii, V. S.

Office of Technical Services

(FDD 18070)

A Cross-Section of the Devonian System of the Tuymaze Petroleum Deposit, by V. A. Dolitskiy, M. V. Mal'tsev, I. Yu. Lepeshinskiy, 17 pp.

RUSSIAN, bimo per, Neft Khoz, No 3/4, Moscow, Mar-Apr 1946, pp 5-12,

CIA/FDD/U-5182

USSR
Economic - Petroleum deposit
CTS/DRX

8793

(FDD 18071)

Concerning Petroleum-Leasing Possibilities of the
Devonian System Between Moscow, and Leningrad, by
F. A. Alekseyev, 5 pp.

RUSSIA7, bimo per, Neft Khoz. No 3/4, Moscow,
Mar/Apr 1946, pp 12-17.

CIA/FDD/U-5476

USSR
Economic - Petroleum

CTS/CEX

10,078

Frost, A. V.
CONTENT OF CYCLOHEXANES IN OIL AS A
MEASURE OF THE TEMPERATURE OF FORMA-
TION OF THE OIL. [1961] 5p. 20 refs.
Order from OTS or SLA \$1.10 62-10813

Trans. of Neftyanoe Khozaystvo (USSR) 1946 [v. 24]
no. 3/4, p. 36-39.

DESCRIPTORS: *Oils, *Cyclohexanes, Temperature.

(Materials--Fuels, TT, v. 7, no. 9)

62-10813

I. Frost, A. V.

Office of Technical Services

Obryadchikov, S. N.
TEMPERATURE CONDITIONS OF FORMATION OF
OIL IN NATURE. [1961] 5p. 13 refs.
Order from OTS or SLA \$1.10

62-10814

Trans. of Neftyanoe Khozylstvo (USSR) 1946 [v. 24]
no. 3/4, p. 39-44.

DESCRIPTORS: *Oils, Temperature, Aluminum com-
pounds, Silicates, Chemical reactions, *Gasoline.

(Materials--Fuels, TT. v. 7, no. 10)

62-10814

I. Obryadchikov, S. N.

Office of Technical Services

61-20154

Doladugin, A. I., Khmel'nitskii, Yu. L., and
Guseva, A. V.
ALKYLATION OF BENZENE ON ALUMINOSILICATE
CATALYSTS. [1961] 10p. 37 refs.
Order from OTS or SLA \$1.10 61-20154

I. Doladugin, A. I.
II. Khmel'nitskii, Yu. L.
III. Guseva, A. V.

Trans. of Nefyanoe Khozvaistvo (USSR) 1946 [v. 24]
no. 3/4, p. 44-53.

DESCRIPTORS: *Benzenes, *Propenes, Alkylation,
*Alumina-silica catalysts, Catalysts, Catalysis, *Al-
kyl radicals, Thermodynamics, Chemical reactions,
Pressure, Clays, Ethylenes.

On the basis of thermodynamical calculations for the
reaction of alkylation of benzene with propene and for
polymerization of propene preliminary conclusions
were drawn pertaining to the effect of the temperature,
pressure and benzene-propene ratio on the extent of
(Chemistry--Organic, IT, v. 7, no. 1) (over)

Office of Technical Services

Vinogradov, G. V. and Borodulina, L. P.
NOMOGRAM FOR THE TEMPERATURE DEPEND-
ENCE OF THE SPECIFIC GRAVITIES OF OIL
PRODUCTS. [1961] 3p.
Order from OTS or SLA \$1.10

62-10815

[Condensed] trans. of Neftyanoe Khozyaistvo (USSR)
1946 [v. 24] no. 3/4, p. 53-55.

DESCRIPTORS: *Petroleum, Oils, Density, Tem-
perature. *Nomographs.

(Materials--Lubricants, TT, v. 7, no. 10)

62-10815

I. Vinogradov, G. V.
II. Borodulina, L. P.

Office of Technical Services

Vinogradov, V. G. and Pikel'ner, S. B.
NOMOGRAM FOR RECALCULATION OF KINE-
MATIC VISCOSITIES BY THE WALTER EQUATION.
[1961] 3p.
Order from OTS or SLA \$1.10

62-10816

[Condensed] trans. of Neft[yano] Khoz[yaisvo]
(USSR) 1946 [v. 24] no. 3/4, p. 55-57.

DESCRIPTORS: *Lubrication, *Oils, Viscosity,
Determination, *Nomographs, Temperature,
Equations.

(Materials--Lubricants, TT, v. 7, no. 10)

62-10816

I. Vinogradov, V. G.
II. Pikel'ner, S. B.

Office of Technical Services

Strom, D. A. and Shestakova, N. M.
REMOVAL OF HYDROGEN SULFIDE FROM GASO-
LINE DISTILLATES WITH DOLOMITE. [1961] 4p.
Order from OTS or SLA \$1. 10 61-20151

Trans. of Nefteyane Khozaystvo (USSR) 1946 [v. 24]
no. 3/4, p. 68-70.

DESCRIPTORS: *Gasolines, Desulfurization, *Hy-
drogen compounds, *Sulfides, Separation, *Dolomite,
Effectiveness

Experiments established that dolomite can be used
for removal of hydrogen sulfide from gasolines pro-
duced from second Baku oils. The suitability of dolo-
mite is enhanced by its widespread distribution in
Bashkiriya, which is also the center of the territory
where the high sulfur oils are produced. Because
dolomite can be repeatedly regenerated in a simple
(Materials--Puein, TT. v. 6, no. 12) (over)

61-20151

I. Strom, D. A.
II. Shestakova, N. M.

Office of Technical Services

(FDD 18072)

To Develop Geological Surveying Wo.k, by M. F.
Mirchirk, 17 pp.

RUSSIAN, no per, Neft Khoz. No 5, Moscow, May
1946, pp 1-8.

-CIA/FDD/U-5177

USSR

Ecor

8986

{FDD 18073}

Concerning the Pressure Regime of Strata of the
Tashkalinskiy Petroleum Deposits, by G. M. Sukharev,
22 pp.

RUSSIAN, no per, Neft Khoz, No 5, Moscow, May 1946,
pp 8-17.

CIA/FDD/U-5176

USSR
Economic - Petroleum deposits

9/16

(FDD 18074)

Concerning Petroleum Surveying Work in the Khiva Depression, by O. S. Vyalev, A. M. Gabril'yan, D. S. Khalturin, G. S. Chikrizov, 14 pp.

RUSSIAN, no per, Neft Khoz, No 5, Moscow, May 1946, pp 18-21.

CIA/FDD/U-5477

USSR

Economic - Petroleum

10,076
CTS/DEX

Kolomatskii, D. Ya. and Deryabin, A. A.
CFR SUPERCHARGE TESTS (BY THE METHOD 3C)
OF COMMERCIAL AVIATION GASOLINES 4B-78
PRODUCED BY DIFFERENT METHODS. [1961] 8p.
2 refs.
Order from OTS or SLA 51.10

61-20162

Trans. of Mekhanika Khezyaystvo (USSR) 1946 [v. 24]
no. 3, p. 34-35.

DESCRIPTION: Aviation fuels, Fuels, Gasoline,
Aviation, Test methods, Tests, Production,
Classification, Superchargers.

A comparison of four aviation gasolines, three of
which are being produced on a commercial scale,
compounded from straight run gasoline and isopara-
ffin or aromatics, with a reference fuel containing
60% straight run gasoline and 40% isooctane was
(Materials--Fuels, TT, v. 6, no. 12)

(over)

61-20162

I. Kolomatskii, D. Ya.
II. Deryabin, A. A.

Office of Technical Services

(FDD 18075)

Prospects for Exploring the Derbent Structure in
Dagestan, by P. P. Zabarinskiy, 10 pp.

RUSSIAN, bimo per, Neft Khoz, No 6/7, Moscow,
Jun/Jul 1946, pp 1-6.

CIA/FDD/U-5178

USSR
Economic -
CTS/DEX

8796

Soviet Methods for Determining Anti-knock
Properties of Aviation Fuels, by D. Ya. Kolmatskiy,
V. R. Levin, A. A. Deryabin, 10 pp, UNCLASSIFIED

RUSSIAN, per, Neft Khim, Vol XXIV, Nos 6/7,
1946, pp 39-43, ~~Encl~~ to IAI-333-54, AFOIN,
19 Oct 1954. CIA D-110534. e

AF 639485

USSR
Economic - fuels
Scientific - Fuels

21,094
Feb 55 CTS

(FDD 18076)

Diesel Fuel From Tuymazy Devonian Petroleum, by
Z. V. Dol dshteyn, 12 pp.

RUSSIAN, bino per, Neft Khoz, No 6/7, Moscow,
Jun/Jul 1946, pp 48-51.

CIA/FDD/U-5478

USSR
Economic - Fuel

CTS/DEX

10,083

(FDD 18077)

Effect of Working the Groznyy Petroleum Deposits
on Natural Sources, by N. G. Lindtrop, 21 pp.

KHM

RUSSIAN, no per., Neft Khoz, No 8, Moscow, Aug 1946,
pp 36-44.

CIA/FDD/U-5179

USSR

Economic - Petroleum deposits

CTS/DEX

8795

(FDD 18078)

The VM-41-2 Drilling Derrick, by K. G. Osipov, 5 pp.

RUSSIAN, bimo per, Neft Khoz, No 9/10, Sep/Oct 1946,
Moscow, pp 27-29.

CIA/FDD/U-5180

USSR
Economic -
CTS/DEX

8794

(FDD 18079)

Geological Interpretation of Geophysical Maps of the
Ishimbay Area of the Urals, by P. Ye. Offman,
12 pp.

RUSSIAN, bi mo per, Neft Khoz. No 9/10, Moscow, Sep/Oct
1946, pp 30-36.

CIA/FDD/U-5181

USSR

Sci - Geophysics

8817

(FDD 18080)

Concerning the Origin of Tumenzy Petroleum, by
M. V. Mel'tsev, 19 pp.

RUSSIAN, md pac, Neft Khoz, No 11, Moscow, Nov
1946, pp 26-33.

CIA/FDD/U-5175

USSR

Ecor

8987

Obryadchikov, S. N., and Marushkhin.
HET ONDERZOEK VAN EEN PROCES MET IN BEWIE-
GING ZIJNDE KATALYSATOR (Investigation of the
Fluid Catalyst Process). 21p. 13. refs. MTWL: 17
(text in Dutch).
Order from OTS or ETC \$1.85 61-17690

Trans. of Neftyanoe Khozyaistvo (USSR) 1946, v. 24,
no. 11, p. 36-45.

DESCRIPTORS: Fluids, Catalysts, *Mineral oils,
Processing.

61-17690

- I. Obryadchikov, S. N.
- II. Marushkhin.
- III. MTWL-17
- IV. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Shatsov, N. I.
DETERMINATION OF THE POWER REQUIRED FOR
DRILLING. 28p. MTWL: 392.
Order from OTS or ETC \$2.41

61-32011

Trans. of Neftyanoe Khozyaistvo (USSR) 1947, v. 25,
no. 2, p. 6-15.

DESCRIPTORS: *Drilling machines, *Power, Deter-
mination, Measurements.

61-32011

I. Shatsov, N. I.
II. MTWL.-392
III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

GORIACHEV, K.A.

Neft. Khosyaistvo, vol 25, 1947, No 1, pp 15-18

**On the Performance of Rock Bits in the Soviet Union
During the Past Seven Years**

Butcher Trans 2578, \$4.80

Method for Increasing Drilling Speeds,
by K. N. Shchepotiev, 15 pp.
RUSSIAN, per, Neftyanoe Khozyaistvo,
Vol. 25, no. 1, 1947, pp. 19-25
ETC-69-35636

Sci/meth & equip
Feb 70

402,539

Krems, A. Ya.
NOTES ON THE GENESIS OF OIL AND THE CONDI-
TIONS OF FORMATION OF OIL ACCUMULATIONS(+).
24p. 14 refs. MTWL: 160.
Order from OTS or ETC \$1.93

61-17862

Trans. of Neftyanoe Khozyaistvo, (USSR) 1947, no. 1,
p. 33-42.

DESCRIPTORS: *Mineral oils, Sources, Theory.

61-17862

- I. Krems, A. Ya.
- II. MTWL-160
- III. Stichting Moelijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Petroleum Products Supply to Moscow, by A.G.
Hekrasov, 7 pp.

RUSSIAN, per, Neft Khoz, No 1, 1947, pp 57-61.

AF 604935

USSR
Economic

CIA 2211414
Feb 54 CTB

9499

Methods of Efficient Use of Fixed Investments in
Industry During the Postwar Five-Year Period, by
F. P. Dunayev, 4 pp

RUSSIAN, per, Neft Khoz, No ³/₈, 1947, pp 10-17, 5

Encl to Rpt ~~2000~~ 1A1-8-54
AF 608325

USSR
Economic - Petroleum
CIA 2313320

10,873

Lapuk, B. B.
PRESSURE DISTRIBUTION IN GAS DEPOSITS. 21p.
4 refs. MTWL: 241.
Order from OTS or ETC \$1.85 61-17901

Trans. of Neftyanoe Khozayaistvo (USSR) 1947, v. 25,
no. 4, p. 26-32.

DESCRIPTORS: *Gases, *Deposits, Pressure,
Theory.

61-17901

I. Lapuk, B. B.
II. MTWL-241
III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Accuracy of the Ring Method of Analysis, by S. N. Obryad-
chikov.

Full translation.

RUSSIAN, no per, Neft Khoz, Vol XXIV, No 4, 1947, pp 51-
67.

AEC Tr 1176

Sci - Chem

Apr 52 CTS

Experience in Using Furnace Pipes for Refining
Second Baku Crudes, by M.A. Mursalitov,
A.I. Istomin, 4 pp.

RUSSIAN, per, Neft Khoz, No 5, 1947, pp 38-42,
Encl to Rpt No R-383-53.

AF 604933

USSR
Economic-Petroleum,

CIA 2210925
Feb 54 CTS

9501

NEFTYANOYE KHOZYAYSTVO Vol 25, No 6 Jun 1947

"The Significance of Fluorine Compounds as Catalyzers
in the Alkylation Reaction"

Prof A. V. Topchiyev, Ya. M. Paushkin

Done by AMC
F-TS-6933-RE
NAD-47675
copy in FDD

OTS-61-17909

9T85

Kuznetsov, L. A., Maidyuk, E. E., and others.
PRESENT CONDITION OF GAS SURVEYING AND THE
PROSPECTS FOR ITS DEVELOPMENT. RESULTS OF
THE SECOND SCIENTIFIC TECHNICAL CONFEREN-
CE. 10p. 7 refs. MTWL: 172.
Order from OTS or ETC \$1.55

61-17838

Trans. of Neftyanoe Khozyaistvo (USSR) 1947, no. 7,
p. 8-12.

DESCRIPTORS: *Gases, *Geochemistry, Chemical
analysis.

61-17838

- I. Kuznetsov, L. A.
- II. Maidyuk, E. E.
- III. MTWL-172
- IV. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

A Complex Study of the Causes of Seasonal Variation
of Data in Soil-Gas Surveys, by M. I. Subbota.

RUSSIAN, per, Neftyanoe Khoz, Vol XIV, No 7,
1947, USSR, pp 13-17.

ATS RJ-1376

Assoc Tech Sv 33E2R

Sci - Biol

1st copy \$12.20

Addit. copies 2.10

Aug 54

20,087

Prevention of Fires Due to Pyrophoric Products, of
Hydrogen Sulfide Corrosion, by I. M. Shelomentsev,
4 pp.

RUSSIAN, per. Neft Khoz, No 7, 1947, pp 51-53.

CIA/FDD/X-1326

Scientific - Fuels
DEX

14,086

Fedorov, V. S.
CRITICAL WEIGHT ON ROCK BITS. 12p. 6 refs.
MTWL: 395.
Order from OTS or ETC \$1.85 61-32014
Trans. of Neftyanoe Khozyaistvo (USSR) 1947, v. 25,
no. 8, p. 16-20.
DESCRIPTORS: Rock. *Drilling machines. Resistance.
Penetration. Boreholes.

61-32014

- I. Fedorov, V. S.
- II. MTWL-395
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Chernozhunov, N. I.
INVESTIGATION OF THE OXIDIZABILITY OF MINERAL OILS. 15p. 7 refs. MTWL: 194.
Order from OTS or ETC \$1.85 61-17818

Trans. of Neftyanoe Khozayaistvo (USSR) 1947, no. 8, p. 45-50.

DESCRIPTORS: *Mineral Oils, *Oxidation, Lubrication.

61-17818

- I. Chernozhunov, N. I.
- II. MTWL-194
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Kozlov, N. S.
BOILING POINT OF THE AROMATIC HYDROCARBONS.
15p. 17 refs. MTWL: 287.
Order from OTS or ETC \$1.85

61-17977

Trans. of Neftyanoe Khozyaistvo (USSR) 1947, v. 22,
no. 9, p. 40-46.

DESCRIPTORS: Hydrocarbons, *Boiling, *Temperatu-
re, Molecular structure, *Benzenes, Alkylradicals.

61-17977

- I. Kozlov, N. S.
- II. MTWL-287
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Chernozhunov, N. I.
INVESTIGATION OF THE OXIDIZABILITY OF MINERAL OILS. 15p. 7 refs. MTWL: 194.
Order from OTS or ETC \$1.85 61-17818

Trans. of Neftyanoe Khozayaistvo (USSR) 1947, no. 8, p. 45-50.

DESCRIPTORS: *Mineral Oils, *Oxidation, Lubrication.

61-17818

- I. Chernozhunov, N. I.
- II. MTWL-194
- III. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Golyakov, P. A.
INFLUENCE OF THE DIAMETER OF THE WELLS ON
THE RATE OF PENETRATION. 10p. MTWL: 394.
Order from OTS or ETC \$1.55 61-32013

Trans. of Neftyanoe Khozyaistvo (USSR) 1947, v. 25,
no. 10, p. 24-28.

DESCRIPTORS: Boreholes, *Drilling machines,
Resistance, Penetration.

61-32013

I. Golyakov, P. A.
II. MTWL: 394
III. Stichting Moedijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Compounds of Fluorine in Polymerization (Synthesis of Lubricating Oils, Low-Molecular Weight and High-Molecular Weight Hydrocarbons), by A. V. Topchiyev, Ya. M. Paushkin, 23 pp.

RUSSIAN, per, Naft Khoz, Vol XXV, No 10, 1947, pp 36-45.

SLA/ATS

Sci Trans Center
RT-2644

Scientific - Chemistry; *Frels* 29, 215
CBS 75/Dec 55

Viscosity Properties of Petroleum Fluids in
Relation to Their Chemical Composition, by
V. V. Panov, 14 pp.

RUSSIAN, no per, Neft Khoz, Vol XXV, No 10, 1947,
pp 45-50.

Sci Tr Center RT-2645

Scientific - Chemistry; Fuels
Dec 55 CTS/DEK

28, 183

Karapet'yants, M. Kh.
OVER HET VERBAND TUSSEN DE VERDAMPINGS-
WARMTE EN DE TEMPERATUUR VAN BELANGRIJKE
HOMOLOGE REEKEN VAN KOOLWATERSTOFFEN
(Effect of Temperature on the Heats of Vaporization
of the Principal Homologous Series of Hydrocarbons)
15p. 18 refs. MTWL: 24. (text in Dutch).
Order from OTS or ETC \$1.85

61-17689

Trans. of Neftyanoe Khozyaistvo (USSR) 1947, v. 25,
no. 10, p. 50-56.

DESCRIPTORS: *Hydrocarbons, *Vaporization, Heat,
Temperature.

61-17689

- I. Karapet'yants, M. Kh.
- II. MTWL-24
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Pronyakov, I. T. and Kharchenko, B. S.
TOEPASSING VAN FLANK-FLOODING IN HET
TASHKAL-GEBIED (Application of Flank-flooding in
the Tashkal-territory). 18p. 4 refs. MTWL: 57.
(text in Dutch).
Order from OTS or ETC \$1.85

61-17655

Tranz. of Neftyanoe Khozvaistvo (USSR) 1947, v. 25,
no. 11, p. 18-28.

DESCRIPTORS: *Mineral oils, Production, *Fluid
flow, Pressure.

61-17655

I. Pronyakov, I. T.
II. Kharchenko, B. S.
III. MTWL-57
IV. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

OVER HET WERKINGSMECHANISME VAN ANTI-CORROSIEDOPES (The Mechanism of Action of Anti-corrosive Addition Agents). 13p. 8 refs. MTWL: 13. (text in Dutch).
Order from OTS or ETC \$1.85

61-17697

Trans. of Neftyanoe Khozyaistvo (USSR) 1947, v. 25, no. 11, p. 45-50.

DESCRIPTORS: *Lubrication, *Oils, Corrosioninhibition, Additives.

61-17697

- I. Krein, S. E.
- II. Tarmanyan, G. S.
- III. MTWL-13
- IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Oborin, V. I.
ELEMENTAIRE STRUCTUUR VAN ALUMINIUM
OXYDE KATALYSATOREN (Elementary Structure of
Alumina Catalysts), 11p. 16 refs. MTWL: 8. (text
in Dutch).
Order from OTS or ETC \$1.55 61-17707

Trans. of Neftyanoe Khozyaistvo (USSR) 1947, v. 25,
no. 11, p. 50-54.

DESCRIPTORS: *Aluminium compounds, Oxides,
*Catalysts, Structures, Silicates.

61-17707

- I. Oborin, V. I.
- II. MTWL-8
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Areshidze, Kh. I. and Benashvili, E. M.
DE QUANTITATIEVE BEPALING VAN ZESRING- EN
VIJFRING- NAPHTENEN IN BENZINE-LIGROÏNE-
FRACTIES VAN NORIO-OLIE (Determination of
Six-membered and Five-membered Naphthenes in
Gasoline-ligroin Fractions of Norio Crude Oil) 9p.
22 refs. MTWL: 12. (text in Dutch).
Order from OTS or ETC \$1.55 61-17696

Trans. of Neftyanoe Khozyaistvo (USSR) 1947, v. 25,
no. 11, p. 54-56.

DESCRIPTORS: *Mineral oils, *Naphthalenes,
Monocyclic compounds, Catalysts, Chemical reactions

61-17696

- I. Areshidze, Kh. I.
- II. Benashvili, E. M.
- III. MTWL-12
- IV. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Hydraulic Transport of Petroleum Products
Through Pipes, by V. I. Chernikin,

RUSSIAN, per, Neftyanoe Khoz, Vol XXIV, No 11,
1947, pp 57-59.

ATB RJ-2209
ATS-961137R

Sci - Chem Eng

May 60

115,465

TT-63-20796

Melik-Pashaev, V. S.
THE PROBLEM OF APPLICATION OF SECONDARY
RECOVERY METHODS AT AZNEFT. [1963] [13p]
lref
Order from OTS, SLA, or ETC \$1.60 TT-63-20796

Trans. of Neftyanoe Khozayaistvo (USSR) 1947, v. 25,
no. 12, p. 8-15. (Abstract available)

DESCRIPTORS: *Petroleum, Recovery, Water
injection, Air, Pressure,

In a discussion of the air-repressuring and water-
flooding methods tried out, it is stated that in one of the
cases the oxygen content of the injected air was almost
completely absorbed by the oil in the strata. Displace-
ment of oil from a producing stratum by alkaline water
is 13% greater than by hard water, e.g., sea water.
The latter should be used only for flooding strata which
contain hard water, to avoid plugging of the pores by
precipitation upon mixing the different waters. (Author)

I. Melik Pashaev, V. S.

(Earth Sciences--Geology,
IT, v. 11, no. 4)
Office of Technical Services

Fedorov, V. S. and Zenkov, F. D.
USE OF ROCK ROLLER BITS OF VARIOUS TYPES.
19p. MTWL: 271.
Order from OTS or ETC \$1.85 61-17986

Trans. of Neftyanoe Khozyaistvo (USSR) 1948, v. 26,
no. 1, p. 9-17.

DESCRIPTORS: *Rock, *Drills, Cutting tools, Teeth.

61-17986

- I. Fedorov, V. S.
- II. Zenkov, F. D.
- III. MTWL-271
- IV. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Shchelkachev, V. N.
ANALYSIS OF THE PARAMETERS OF SIMILARITY
OF FLOW, 11p, 7 refs. MTWL: 301.
Order from OTS or ETC \$1.55 61-17955

Trans. of Neftyanoe Khozyaistvo (USSR) 1948, v. 26,
no. 1, p. 24-29.

DESCRIPTORS: *Fluid flow, *Reijnold number,
Analog systems.

61-17955

- I. Shchelkachev, V. N.
- II. MTWL-301
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Kuliev, S. M.
GRAVEL SCREENS, 13p. 7 refs. MTWL: 162.
Order from OTS or ETC \$1.85 61-17848

Trans. of Neftyanoe Khozayaistvo (USSR) 1948, no. 2,
p. 24.

DESCRIPTORS: Mineral oil, Production, *Boreholes,
*Fluid flow, Sand, Porous materials, Theory, Oil
filter.

61-17848

I. Kuliev, S. M.
II. MTWL-162
III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Metallic Two-Layer Reservoirs for Petroleum,
Petroleum Products and Gas, by V. I. Chernikin, 6pp.

RUSSIAN, per, Neft Khoz, No 2, 1948.

Sci Trans Center RT-237

also X-1244

Done by RDB also

Scientific - Fuels, engineering

Feb 54 CTS

See

9838

Excerpts on Soviet Petroleum Problems and
Statistics for the 1946 - 1950 Plan - Period,
3 pp.

RUSSIAN, per, Neft Khoz, 1948, Encl to Rpt
to IAL-101-54, AFOLIN. No 1, 4, 9, 10, 11,
pp 1-4, 41-42, 1-5, 1-7, 1-4.

AF 609400

11,471

USSR
Economic - Five-year plan, petroleum industry
DTS/DBX CIA 2507925

Lashchenov, V. D.
CORRELATION OF THE PRODUCING HORIZONS OF
THE OIL DEPOSITS OF THE ILSKO-KHOLM REGION
ACCORDING TO THE PROPERTIES OF THE OIL. 7p.
MTWL: 233.

Order from OTS or ETC \$1.55

61-17907

Trans. of Neftyanoe Khozyaistvo (USSR) 1948, v. 26,
no. 3, p. 46-48.

DESCRIPTORS: *Mineral oils, Chemical analysis,
Deposits, *Density.

61-17907

- I. Lashchenov, V. D.
- II. MTWL-233
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Puchkov, N. G.
DE EIGENSCHAPPEN BIJ LAGE TEMPERATUUR VAN
OLIEN MET VISCOSITEITDOPE (Low-temperature
Properties of Oils which Contain Viscosity-improving
Addition Agents) 16p. 8 refs. MTWL: 10. (text in
Dutch).
Order from OTS or ETC \$1.85 61-17709

Trans. of Neftyanoe Khozyaistvo (USSR) 1948, v. 26,
no. 3, p. 49-57.

DESCRIPTORS: *Lubrication, *Oils, Low temperature
research, Viscosity, Additives.

61-17709

- I. Puchkov, N. G.
- II. MTWL-10
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

The Boiling Temperatures of Olefins, by I. S.
Kozlov,

RUSSIAN, per, Neft ~~EN~~ Khoz, Vol XXVI, No 4,
1948, pp 47-51.

Res Info Sv R.521

Sci - Chemistry

Jan 1956/CTS No 77

30,533

53 Nassau St., New York 5, N.Y.

TT-63-20802

Vinogradov, G. V.
SYNTHETIC OILS AND GREASES (A SURVEY). [1963]
[12p] 19 refs
Order from OTS, SLA, or ETC \$1.60 TT-63-20802

I. Vinogradov, G. V.

Trans. of Neftyanoe Khozaystvo (USSR) 1948, v. 25,
no. 5, p. 43-49. (Abstract available)

DESCRIPTORS: *Lubricants, Greases, Synthesis
(Chemistry), Hydrocarbons, Fluorocarbons, Silicones,
Esters, Chemical properties, Chemical bonds,
Viscosity, Lubrication.

A review of the chemical constitution and properties of
highly fluorinated hydrocarbons, polysiloxanes, and
di-esters in connection with their use as lubricants and
greases is presented. (Author)

(Materials--Lubricants, TT, v. 11, no. 4)

Office of Technical Services

Voinov, B. P.
NEW EQUATION FOR THE RELATIONSHIP BETWEEN
THE MOLECULAR WEIGHT OF PETROLEUM HYDRO-
CARBONS AND PETROLEUM FRACTIONS AND THEIR
SPECIFIC GRAVITY AND BOILING POINT. 6p. 6 refs.
MTWL: 147. 61-17869
Order from OTS or ETC \$1.55

Trans. of Neftyanoe Khozyaistvo (USSR) 1948, no. 5,
p. 52-53.

DESCRIPTORS: Petroleum, *Hydrocarbons, *Molecu-
lar weight, Fractionation, *Boiling, Temperature,
*Gravity, Statistical functions.

61-i7869

- I. Voinov, B. P.
- II. MTWL-147
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Shchelkachev, V. N., Govorova, G. L., and
Ryabinina, Z. K.
LAWS GOVERNING THE CHANGE IN THE RADIUS OF
INFLUENCE OF THE WELL IN COMPRESSIBLE
FORMATIONS. 26p. 4 refs. MTWL: 300.
Order from OTS or ETC \$2.37 61-17974

Trans. of Neftyanoe Khozyaistvo (USSR) 1948, v. 26,
no. 7, p. 18-28.

DESCRIPTORS: *Mineral oils, Boreholes, Fluid flow,
*Production.

61-17974

- I. Shchelkachev, V. N.
- II. Govorova, G. L.
- III. Ryabinina, Z. K.
- IV. MTWL-300
- V. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

The Use of Rust Inhibitors in Lubricating Oils,
by A. L. Aleksandrova, 13 pp. UNCLASSIFIED
V. V. Losikov, A. I. Khalif

RUSSIAN, per, Neft Khoz, No 8, 1948.

AMC F-TS-7050-RE

Also See T-1 Center RT-726

USSR
Economic - Petroleum

12,923

Koryakov, F. I.
CHLORIDE CONTENT OF OIL LAYERS. 9p. 4 refs.
MTWL: 170.
Order from OTS or ETC \$1.55 (6/10) 61-17856
Trans. of Neftyanoe Khoz'yaistvo (USSR) 1948, no. 10.
p. 16-18.

DESCRIPTORS: *Mineral oils, Boreholes, Water,
*Chlorides.

61-17856

- I. Koryakov, F. I.
- II. MTWL-170
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Bogdanov, N. F.
NORMAL VACUUM DISTILLATION OF HEAVY OIL
PRODUCTS. 13p. 2 refs. MTWL: 390.
Order from OTS or ETC \$1.85

61-32028

Trans. of Neftyanoe Khozyaistvo (USSR) 1948, v. 26,
no. 10, p. 48-52.

DESCRIPTORS: Distilling plants, Vacuum apparatus,
Fuel oils, Lubrication, *Oils, *Fractionation,
Laboratory equipments, Analysis.

61-32028

- I. Bogdanov, N. F.
- II. MTWL-390
- III. Stichting Maellijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

(FDD 19639)

The Problem of Podzolic Petroleum of Southern Emba,
by K. K. Ashirov, 16 pp.

RUSSIAN, no per, Neft Khoz, No 11, Moscow,
1948, pp 38-44.

CIA/FDD/U-5521

USSR
Economic - Petroleum

10, 091
CTS/DEX